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1	IS&R	L1	1775	(382/115,116,124,181,186,187,188,190).CCLS	USPA T	2004/05/1 0 08:44			0
2	IS&R	L2	149	(713/186).CCLS.	USPA T	2004/05/1 0 08:45			0
3	IS&R	L3	41	(902/3).CCLS.	USPA T	2004/05/1 0 08:45			0
4	BRS	L4	97	(pen or stylus) same (authentic\$6 or verif\$6 or check\$3) same (biometric\$1 or finger\$1 or fingerprint\$3)	USPA T	2004/05/1 0 08:46			0
5	BRS	L5	35	4 same (surface or paper or pad or tablet)	USPA T	2004/05/1 0 08:46			0
6	BRS	L6	3	1 and 5	USPA T	2004/05/1 0 08:48			0
7	BRS	L8	0	3 and 5	USPA T	2004/05/1 0 08:48			0
8	BRS	L7	3	2 and 5	USPA T	2004/05/1 0 08:48			0

	Type	L #	Hits	Search Text	Dbs	Time Stamp	Comments	Error Definition	Errors
1	IS&R	L1	314	(382/313, 314).CCLS.	USPA T	2004/05/1 0 11:57			0
2	BRS	L2	97	(pen or stylus) same (authentic\$6 or verif\$6 or check\$3) same (biometric\$1 or finger\$1 or fingerprint\$3)	USPA T	2004/05/1 0 11:58			0
3	BRS	L3	35	2 same (pad or tablet or surface or paper)	USPA T	2004/05/1 0 11:58			0
4	BRS	L4	0	1 and 3	USPA T	2004/05/1 0 11:58			0



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verification and finger and pen

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Web

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Instant finger print pen takes child finger prints anywhere and on ...

... put on your skinned knee or cut **finger**. ... manufacturing and selling my **pen** brands, click ... biometrics, fingerprint form, fingerprint **verification**, fingerprint scan ...

www.fingerprintpen.com/about.htm - 83k - [Cached](#) - [Similar pages](#)

Go Go Gadget Comdex

... as a "handheld data collector." Passing the C-Pen's tip over ... over from spy novels to small offices' identity **verification** through **finger** scans, voice ...

www.entrepreneur.com/mag/article/ 0,1539,267946----2-,00.html - 30k - [Cached](#) - [Similar pages](#)

[PPT] Biometrics: Are you who you say you are?

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

... type records the position of the pores on the **finger**. ... Signature **Verification** - dynamic signature **verification** (DSV ... Measures: angle at which the **pen** is held; the ...

www.eprison.us/pdx/download_files/ presentations/Biometrics1.ppt - [Similar pages](#)

Specialty Products from Interlink Electronics - Press Coverage

... input for handwriting recognition and signature **verification**. Actually, one doesn't even need a **pen**. The pressure sensor translates **finger**-drawn characters ...

www.interlinkelec.com/media/coverage/page09.htm - 43k - [Cached](#) - [Similar pages](#)

[doc] Wireless Data Standards - Biometrics

File Format: Microsoft Word 2000 - [View as HTML](#)

... Hand and **finger** geometry applications include verifying air ... signature **verification** and handwriting **verification** are automated ... and how often the **pen** is lifted ...

www.pswn.gov/admin/librarydocs11/ Biometrics_Technologies.doc - [Similar pages](#)

Visual Input for Pen-Based Computers

... Bernard, and J. Coutaz, "**Finger** Tracking as ... Approaches to Handwritten Signature **Verification**," Computer Processing ... Munich, "Visual Input for **Pen**-based Computers ...

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id=507478&dl=ACM&coll=GUIDE&CFID=11111111&CFTOKEN=2222222 - [Similar pages](#)

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128mb Usb Flash Thumb Key Jump Pen Disk Drive 128

... Trek Thumbdrive USB **Pen** Key Drive Fingerprint Not Sony. ... me, 2000 supply usb light and **finger** on **verification** mass except touch, it Features supply required ...

www.exploretheuniverse.net/

server/leaf27.51074.128MB.USB.FLASH.THUMB.KEY.JUMP.PEN.DISK.DRIVE.128.shtml - 28k - [Cached](#) -

[Similar pages](#)

Semtech -

... The IC supports both **finger** and **pen** input. ... **pen** control, including support for **Pen** Windows ® and ... for handwriting recognition, signature **verification** and other ...
www.semtech.com/

news/news_show.asp_Q_PressID_E_108_A_Archive_E_Product+Announcements+2000+Archives_A_Dept... -
31k - [Cached](#) - [Similar pages](#)

Scrawl.com - Products and Company sites

... Signature **Verification** systems, primarily to the banking industry". Symbios/Scriptel's WriteTouch : "cordless digital **pen** product enabling both **pen** and **finger** ...

www.scrawl.com/scr/products.html - 20k - [Cached](#) - [Similar pages](#)

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Web

Results 11 - 20 of about 8,380 for **verification and finger and pen** . (0.58 seconds)

PCs | Wacom Intuos Graphics Tablet Pen Usb

... Tired of cursive writing the **finger** it using ... let installing the When navigating, i-**pen** instead ... 110x65x35 ergonomically designed signature **verification** uk p 50 ...
www.exploretheuniverse.net/ 9900/7713%2039980%20Wacom%20Intuos%20Graphics%20Tablet%20Pen%20Usb.htm - 24k - [Cached](#) - [Similar pages](#)

[PPT] User Verification System

File Format: Microsoft Powerpoint 97 - [View as HTML](#)
... **Finger** print. biomouse Fingerprint scanner. Digital. Camera. LCD **Pen**. tablet. Microphone. Multi-modality Biometric Authentication. Embedded & Hybrid User **Verification** ...
csis.pace.edu/~ctappert/cs631-02/slides5.ppt - [Similar pages](#)

[PDF] Graduate Course Development in Biometrics

File Format: PDF/Adobe Acrobat - [View as HTML](#)
... community listserv on the "gummy **finger**" debate [1 ... first experiment involves dynamic signature **verification** as it ... with a digitizer that uses **pen** and paper. ...
www.asee.org/conferences/international/ papers/elliott.pdf - [Similar pages](#)

Handbook of Information Security Management:Access Control

... not sufficiently unique for accurate **verification**, but combined ... Two-**finger** geometry is a recently marketed ... speed, direction, and pressure of **pen** strokes), and ...
www.cccure.org/Documents/HISM/037-039.html - 9k - May 9, 2004 - [Cached](#) - [Similar pages](#)

Datamind offer Mobile Pen Scanners, Digital Pens, Scanners ...

... user has to perform a simple but accurate authentication process - by placing his/her **finger** on the biometric sensor and invoke the fingerprint **verification**. ...
www.datamind.co.uk/merchant/thumbdrive_touch.htm - 42k - [Cached](#) - [Similar pages](#)

eBay - Weird Stuff, Everything Else, Slightly Unusual, and Totally ...

... Lighter~, ~~Green Flame Talking Middle **Finger** Lighters Lighter ... Lighter/Lighters~LOOK~, ~Green Flame **PEN** Torch Lighter ... CRIMINAL RECORD, SS#, CREDIT **VERIFICATION** CD ...
everythingelse.listings.ebay.com/ Weird-
Stuff_W0QQfromZR2QQsacategoryZ1466QQsbrsrtZ1QQsocmdZListingItemLis... - 101k - [Cached](#) - [Similar pages](#)

[PDF] BACOB Bank Introduces Telephone Banking With Speaker Verification

File Format: PDF/Adobe Acrobat - [View as HTML](#)
... For example, the firm says, biomet- ric **verification** can be ... smartcard readers, display and biometric **finger**- print readers ... The SMART- **pen** is billed as the world ...
www.biodigest.com/BiometricDigest/ BackIssues/199906.pdf - [Similar pages](#)

[PDF] Biometrics: The Password You'll Never Forget

File Format: PDF/Adobe Acrobat - [View as HTML](#)
... rely either on a special tablet or a special **pen**. ... the biometric process in detail for **verification** of identity ... below and in Figure 1. Capture: The **finger** to be ...
21cfrpart11.com/files/library/compliance/lcgc10_00.pdf - [Similar pages](#)

Pen Computing Magazine: Handheld Developer Information Resource

... Phone: 510-249-6900 Power **Pen** Pal 5.3 Powerful integrated **pen** development environment

including form designer, database, and ... Cross-platform **verification**. C++. ...
www.pencomputing.com/developer/ - 20k - May 8, 2004 - [Cached](#) - [Similar pages](#)

[PDF] [On-line Handwritten Signature **Verification** Using Hidden Markov ...](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... stroke order, off-tablet motion, **pen** pressure and ... an optimized high performance signature **verification** system and ... unique body features (eg **finger**- prints, iris ...

bips.bi.ehu.es/ahoweb/files/publicaciones/ON_LINE_SIG.pdf - [Similar pages](#)

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Web

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SecurityFocus HOME Infocus: Exploiting Cisco Routers: Part 1

... User Access **Verification** Username ... If **finger** is running, usernames can be gathered, but the ... out a legitimate user account will likely stop most **pen** testers from ...

www.securityfocus.com/infocus/1734 - 42k - [Cached](#) - [Similar pages](#)

[PPT] User Interface Software & Technology

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

... Passive (same as using a **finger**). Active (**pen** provides some signal). ... (2 modes) visible mode switch. (1.5 modes) special **pen** action switches. ... Signature **verification**. ...

www.cc.gatech.edu/classes/AY2003/cs4470_fall/lectures/lecture23-pen-input.ppt - [Similar pages](#)

Comware Pty Ltd - Mobile Computing

... Point-of-Sale ("POS") Terminal; Inventory; Shelf Price **Verification**; Planograms; Reordering; ... various screen sizes; mono & colour; **pen** or **finger** operation; rugged ...

www.comwareptyltd.com.au/mobile_computer_nf.htm - 28k - [Cached](#) - [Similar pages](#)

Kiosk Enabling Technology

... The IC supports both **finger** and **pen** input. ... mode **pen** control, including support for **Pen** Windows(R ... for handwriting recognition, signature **verification** and other ...

www.kiosks.org/newsbits/2000/040700e.htm - 8k - [Cached](#) - [Similar pages](#)

Biometric Dictionary

... 7. **Finger** Geometry A physical biometric that analyses the ... Signature **Verification** A behavioral biometric that analyses the way an ... by a hand holding a **pen** are as ...

www.senseme.com/scripts/biometrics/biometricdictionary.htm - 44k - [Cached](#) - [Similar pages](#)

findBIOMETRICS.com - Understanding Signature Verification

... Dynamic signature **verification** technology uses the behavioral biometrics of a hand written ... This is done by analyzing the shape, speed, stroke, **pen** pressure and ...

www.findbiometrics.com/Pages/signature%20articles/signature_1.html - 18k - [Cached](#) - [Similar pages](#)

CMP Article

... exciting are high-volume vertical-market applications that use CIC signature **verification** and digital ink ... Both the cordless **pen** and **finger** touch worked ...

hwr.nici.kun.nl/pen-computing/cmp-media/april-15-1996.html - 18k - [Cached](#) - [Similar pages](#)

BNX Systems Corporation - Biometric Authentication Partners

... **Finger**. ... Communication Intelligence Corporation (CIC) supplies **pen**-based software ... handwriting recognition systems, dynamic signature **verification**, ink compression ...

www.bionetrix.com/partnerships.asp - 37k - [Cached](#) - [Similar pages](#)

[PDF] Proceedings of MASPLAS'02

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... 70% of the market share which includes **Finger**-Scan, Voice ... User **Verification** Types Handwriting A Java applet is developed to ... samples we using a LCD **pen** Tablet. ...

csis.pace.edu/csis/masplas/p11.pdf - [Similar pages](#)

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eBay - Weird Stuff, Everything Else, Slightly Unusual, and Totally ...

... GAG GIFT!~FREE S&H, Shocking Shock **Pen** Pens~GAG ... **Finger** Torch Lighter ~~~UNIQUE, Talking Middle **Finger** Torch Lighter ... CRIMINAL RECORD, SS#, CREDIT VERIFICATION CD! ...

everythingelse.listings.ebay.com/ Weird-

Stuff_W0QQfromZR4QQlopgZ2QQsacategoryZ1466QQsocmdZListingItemListQ... - 101k - Cached - Similar pages

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[PDF] Multi-Expert Verification of Hand-Written Signatures

 File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Physical characteristics can be obtained from **finger**-print, palm ... Section 6. 2. Multi-expert Signature **Verification** In this ... position of the tip of the **pen** on the ...

www.csc.liv.ac.uk/~prima/ICDAR2003/Papers/0171_546_bovino_l.pdf - [Similar pages](#)

[PDF] Standards for Biometric Identification

 File Format: PDF/Adobe Acrobat - [View as HTML](#)

... The dynamic movement of the **pen** is described by ... **Finger** scan is the most popular technique and accounts ... eye scan (11 percent), speaker **verification** (11 percent ...

www.comsoc.org/ci/private/2001/jan/pdf/sherif.pdf - [Similar pages](#)

Quintet Inc.: SignCrypt: Biometric Verification

... a static record of where the **pen** happened to ... are a number of types of biometric **verification** of which ... a camera; Fingerprint - the user presents his **finger** to a ...

ourworld.compuserve.com/homepages/pagrosse/j02a.htm - 24k - May 8, 2004 - [Cached](#) - [Similar pages](#)

virginia.edu: Spring 1999 -

... and nicks could cause problems with a **finger** scan. ... are often referred to as dynamic signature **verification** (DSV) and ... and the number of times the **pen** is lifted ...

www.itc.virginia.edu/virginia.edu/spring99/newtech/home.html - 30k - May 9, 2004 - [Cached](#) - [Similar pages](#)

Interlink Electronics, VersaPad Input Pad Technology

... text input, signature capture and biometric signature **verification**. ... typically incapable of supporting **pen** input capability. ... about half the weight of a **finger**). ...

www.interlinkelec.com/technology/page02.htm - 9k - [Cached](#) - [Similar pages](#)

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[PDF] HIGHLIGHTS OF THE YEAR

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... be input rapidly and simply at the touch of a **finger** or **pen**. ... We also anticipate development of new signature **verification** systems, store management systems ...

www.necinfrontia.co.jp/company/ir/pdf_anysu02/07.pdf - [Similar pages](#)

[PDF] Ergonomic Analysis of Pen Comfort and Wrist Dynamics While Wri

 File Format: PDF/Adobe Acrobat - [View as HTML](#)

... for hand writing analysis, character recognition, signature **verification** and writer ... to study the effect of hand/**finger** grasp on applied **pen** pressures while ...

www.drergonomics.com/articles/Ergonomic%20Evaluation%20of%20Pen%20Design%20and%20Wrist%20Dynamics%20while... - [Similar pages](#)

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 File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Performance of Successive Aimed **Pen** Movements 99 ... E. STELMACH Targeted Isometric Index **Finger** Force Production ... Free Handwriting Signature **Verification** 220 Julio ...

www.igs2003.com/Proceedings_contents.pdf - [Similar pages](#)

[PDF] 1999 Glossary of Biometric Terms

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... of Biometric Terms page 11 7. **Finger** Geometry A ... Signature **Verification** A behavioural biometric that analyses the way an ... exerted by a hand holding a **pen** are as ...

www.afb.org.uk/downloads/glossary.pdf - [Similar pages](#)

A Review of Dynamic Handwritten Signature Verification - Gupta ...

... other biometric authentication techniques eg **finger** prints or ... Lorette - 1984 1 line

Signature **Verification** (context) - Farag ... A Study of Some **Pen** Motion Features ...

citeseer.ist.psu.edu/gupta97review.html - 25k - [Cached](#) - [Similar pages](#)

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Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 An HMM online signature verifier incorporating signature trajectory
Muramatsu, D.; Matsumoto, T.;

 Document Analysis and Recognition, 2003. Proceedings. Seventh International Conference on , 3-6 Aug. 2003
 Pages:438 - 442 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(1713 KB\)\]](#) **IEEE CNF**
2 Signature verification using ART-2 neural network
Mautner, P.; Rohlik, O.; Matousek, V.; Kempf, J.;

 Neural Information Processing, 2002. ICONIP '02. Proceedings of the 9th International Conference on , Volume: 2 , 18-22 Nov. 2002
 Pages:636 - 639 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(495 KB\)\]](#) **IEEE CNF**
3 Biometric hash based on statistical features of online signatures
Vielhauer, C.; Steinmetz, R.; Mayerhofer, A.;

 Pattern Recognition, 2002. Proceedings. 16th International Conference on , Volume: 1 , 11-15 Aug. 2002
 Pages:123 - 126 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(318 KB\)\]](#) **IEEE CNF**
4 Dynamic biometric person authentication using pen signature trajectories
Sakamoto, D.; Kondo, M.; Morita, H.; Muramatsu, D.; Sasaki, M.; Matsumoto,

 Neural Information Processing, 2002. ICONIP '02. Proceedings of the 9th International Conference on , Volume: 4 , 18-22 Nov. 2002
 Pages:2078 - 2082 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(320 KB\)\]](#) IEEE CNF

5 A proposal of writer verification of hand written objects

Kato, Y.; Hamamoto, T.; Hangai, S.;

Multimedia and Expo, 2002. ICME '02. Proceedings. 2002 IEEE International Conference on , Volume: 2 , 26-29 Aug. 2002

Pages:585 - 588 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(485 KB\)\]](#) IEEE CNF

6 On-line signature verification system using probabilistic feature modelling

Kiran, G.V.; Kunte, R.S.R.; Samuel, S.;

Signal Processing and its Applications, Sixth International, Symposium on. 2001 , Volume: 1 , 13-16 Aug. 2001

Pages:355 - 358 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(360 KB\)\]](#) IEEE CNF

7 User interface for a PCS smart phone

Narayanaswamy, S.; Jianying Hu; Kashi, R.;

Multimedia Computing and Systems, 1999. IEEE International Conference on , Volume: 1 , 7-11 June 1999

Pages:777 - 781 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(464 KB\)\]](#) IEEE CNF

8 Low cost dynamic signature verification system

Hamilton, D.J.; Whelan, J.; McLaren, A.; MacIntyre, I.; Tizzard, A.;

Security and Detection, 1995., European Convention on , 16-18 May 1995

Pages:202 - 206

[\[Abstract\]](#) [\[PDF Full-Text \(492 KB\)\]](#) IEEE CNF

9 The handwritten signature in pen computing

Smithies, C.P.K.;

Handwriting and Pen-Based Input, IEE Colloquium on , 1994

Pages:2/1 - 2/3

[\[Abstract\]](#) [\[PDF Full-Text \(196 KB\)\]](#) IEEE CNF

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1 Combination of Hyperbolic Functions for Multimodal Biometrics Data Fusion

Toh, K.-A.; Yau, W.-Y.;

Systems, Man and Cybernetics, Part B, IEEE Transactions on , Volume: 34 , I
2 , April 2004

Pages:1196 - 1209

[Abstract] [PDF Full-Text (856 KB)] IEEE JNL

2 A reduced multivariate polynomial model for multimodal biometrics classifiers fusion

Toh, K.-A.; Wei-Yun Yau; Xudong Jiang;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume:
14 , Issue: 2 , Feb. 2004

Pages:224 - 233

[\[Abstract\]](#) [\[PDF Full-Text \(448 KB\)\]](#) **IEEE JNL**

3 Biometric verification using thermal images of palm-dorsa vein pattern

Chih-Lung Lin; Kuo-Chin Fan;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 14 , Issue: 2 , Feb. 2004

Pages:199 - 213

[\[Abstract\]](#) [\[PDF Full-Text \(832 KB\)\]](#) **IEEE JNL**

4 Quantifying and recognizing human movement patterns from mono video images-part II: applications to biometrics

Green, R.D.; Ling Guan;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume:

14 , Issue: 2 , Feb. 2004
Pages:191 - 198

[\[Abstract\]](#) [\[PDF Full-Text \(728 KB\)\]](#) IEEE JNL

5 Quantifying and recognizing human movement patterns from mono video Images-part I: a new framework for modeling human motion

Green, R.D.; Ling Guan;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 14 , Issue: 2 , Feb. 2004
Pages:179 - 190

[\[Abstract\]](#) [\[PDF Full-Text \(856 KB\)\]](#) IEEE JNL

6 Fast Fingerprint Verification Using Subregions of Fingerprint Image

Chan, K.C.; Moon, Y.S.; Cheng, P.S.;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 14 , Issue: 1 , Jan. 2004
Pages:95 - 101

[\[Abstract\]](#) [\[PDF Full-Text \(1136 KB\)\]](#) IEEE JNL

7 Likelihood-Ratio-Based Biometric Verification

Bazen, A.M.; Veldhuis, R.N.J.;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 14 , Issue: 1 , Jan. 2004
Pages:86 - 94

[\[Abstract\]](#) [\[PDF Full-Text \(472 KB\)\]](#) IEEE JNL

8 Directional Filter Bank-Based Fingerprint Feature Extraction and Matching

Park, C.-H.; Lee, J.-J.; Smith, M.J.T.; Park, S.-I.; Park, K.-H.;

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 14 , Issue: 1 , Jan. 2004
Pages:74 - 85

[\[Abstract\]](#) [\[PDF Full-Text \(2112 KB\)\]](#) IEEE JNL

9 Hiding biometric data

Jain, A.K.; Uludag, U.;

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 25 , Issue: 11 , Nov. 2003
Pages:1494 - 1498

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